"EAST" ET3565650

Fig.1

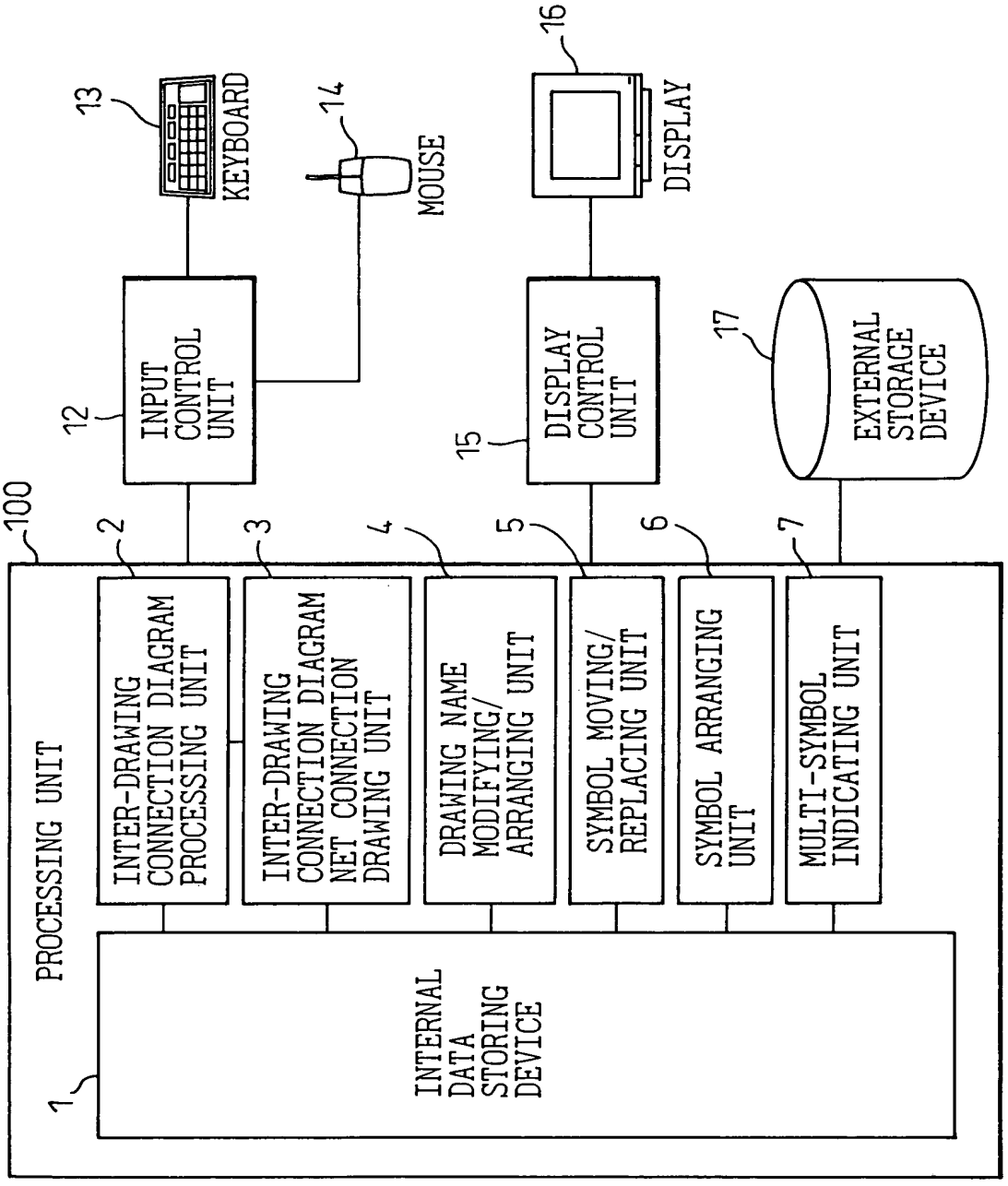


Fig.2

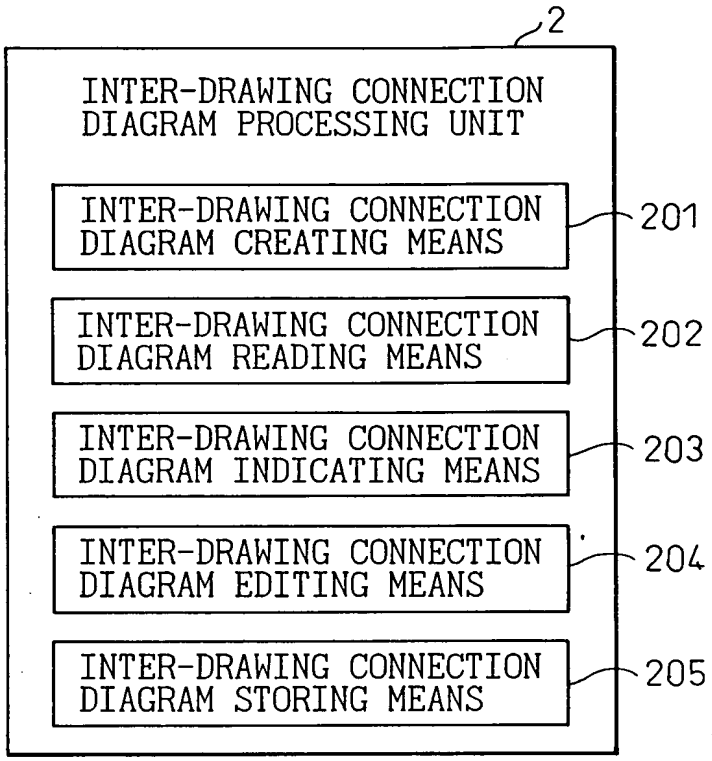
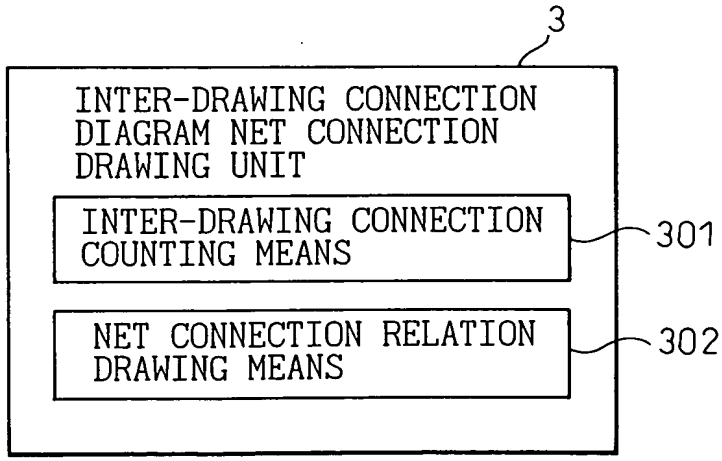


Fig.3



EP 0 554 810 A2

Fig.4

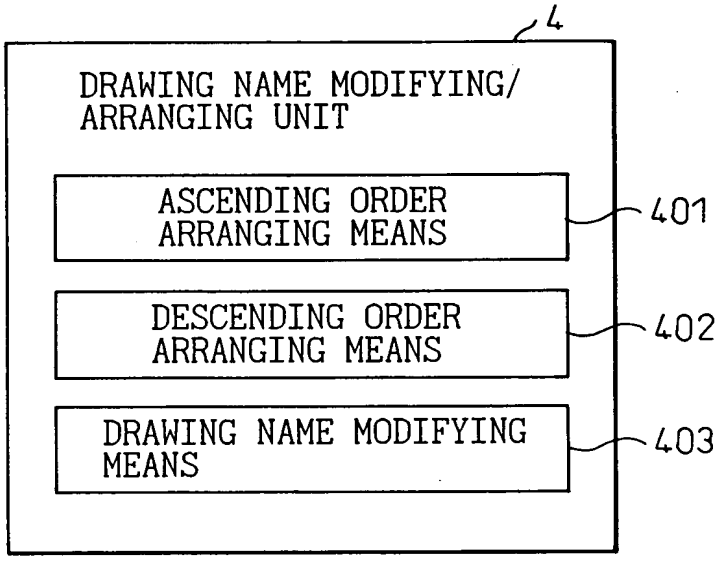

4
DRAWING NAME MODIFYING/ ARRANGING UNIT
ASCENDING ORDER ARRANGING MEANS
401
DESCENDING ORDER ARRANGING MEANS
402
DRAWING NAME MODIFYING MEANS
403

Fig.5

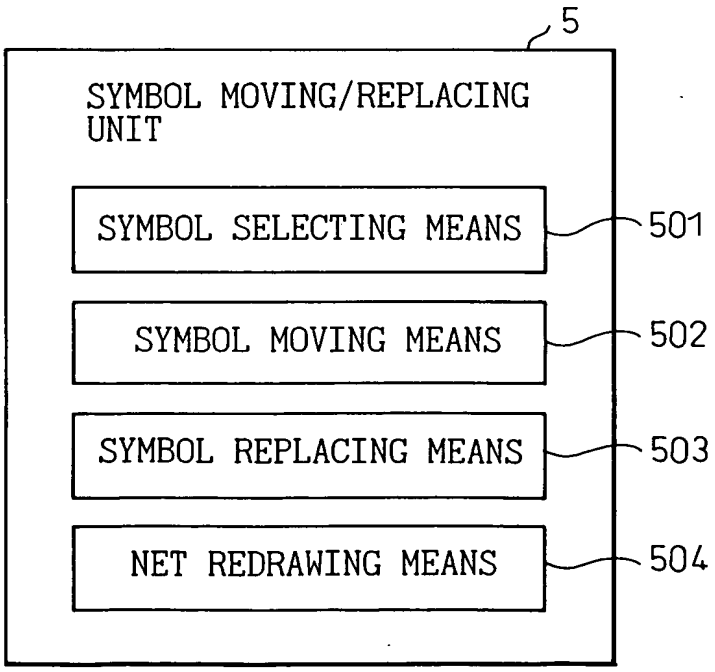

5
SYMBOL MOVING/REPLACING UNIT
SYMBOL SELECTING MEANS
501
SYMBOL MOVING MEANS
502
SYMBOL REPLACING MEANS
503
NET REDRAWING MEANS
504

Fig.6

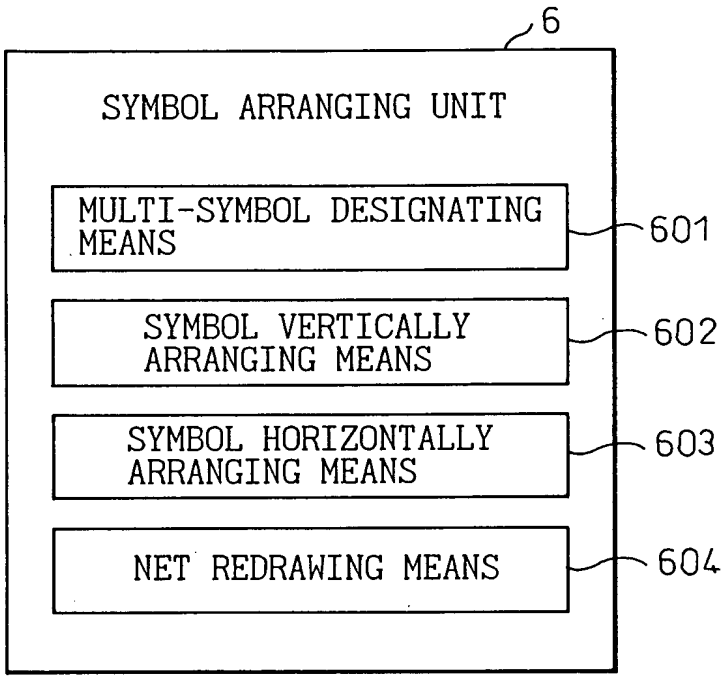

6
SYMBOL ARRANGING UNIT
MULTI-SYMBOL DESIGNATING MEANS
601
SYMBOL VERTICALLY ARRANGING MEANS
602
SYMBOL HORIZONTALLY ARRANGING MEANS
603
NET REDRAWING MEANS
604

Fig.7

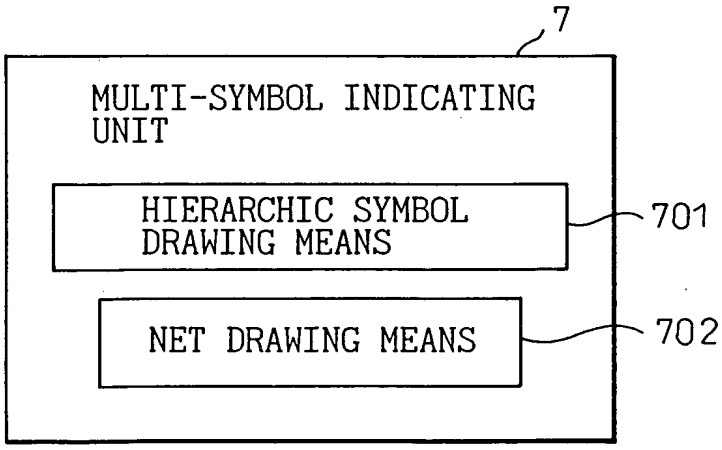
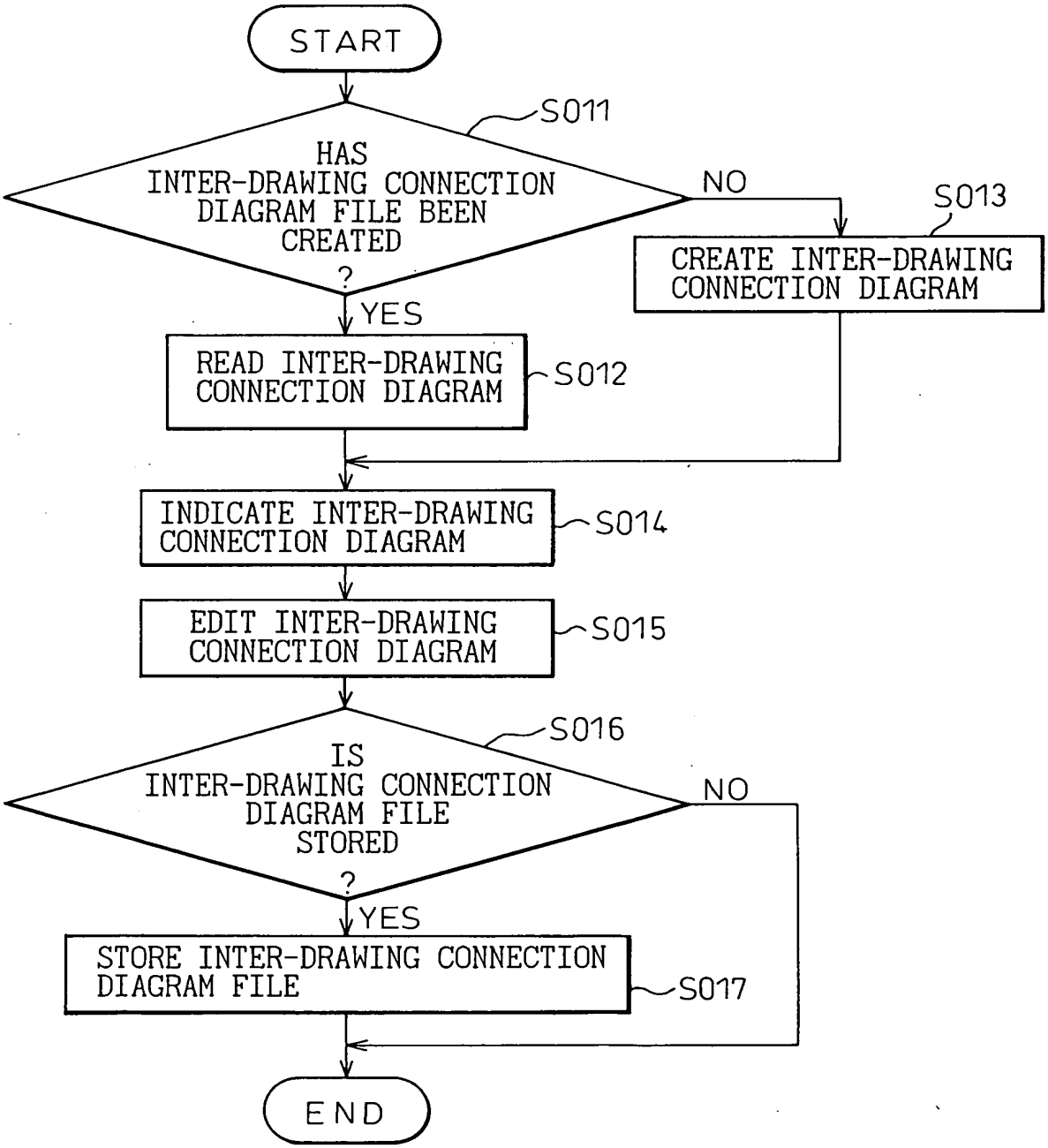

7
MULTI-SYMBOL INDICATING UNIT
HIERARCHIC SYMBOL DRAWING MEANS
701
NET DRAWING MEANS
702

Fig.8



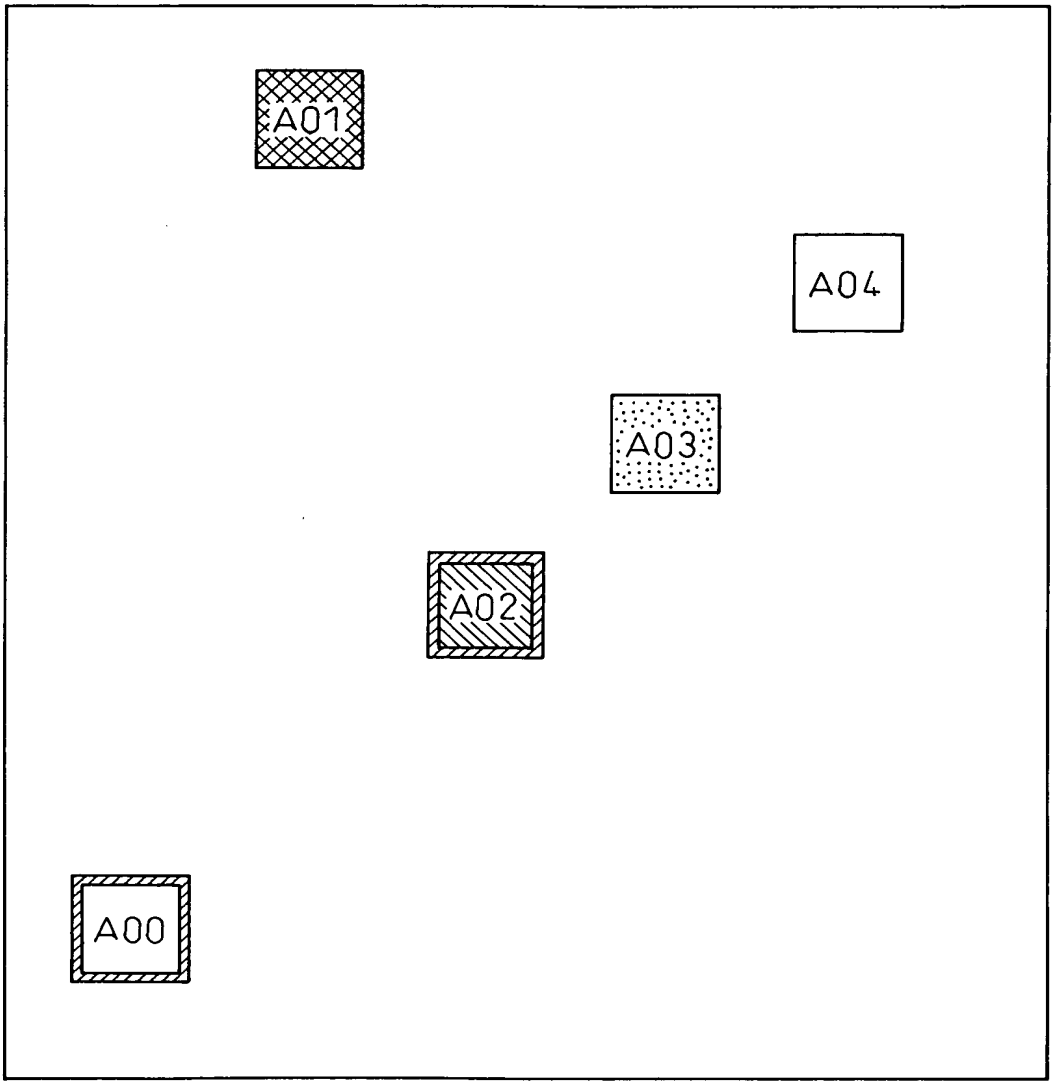
EP0554054A2

Fig.9

```
PART TEST;
 HIER/MAPSIZE = 6, 6 ;
  PAGE A00 IDX = 0, 5 GRP = g1 GRPCOL = cyan ;
  PAGE A01 IDX = 1, 0 COL = black;
  PAGE A02 IDX = 2, 3 COL = red GRP = g1 GRPCOL = cyan ;
  PAGE A03 IDX = 3, 2 COL = green ;
  PAGE A04 IDX = 4, 1 ;
```

EP0827354A2

Fig.10



EP 0 955 594 A1

Fig.11

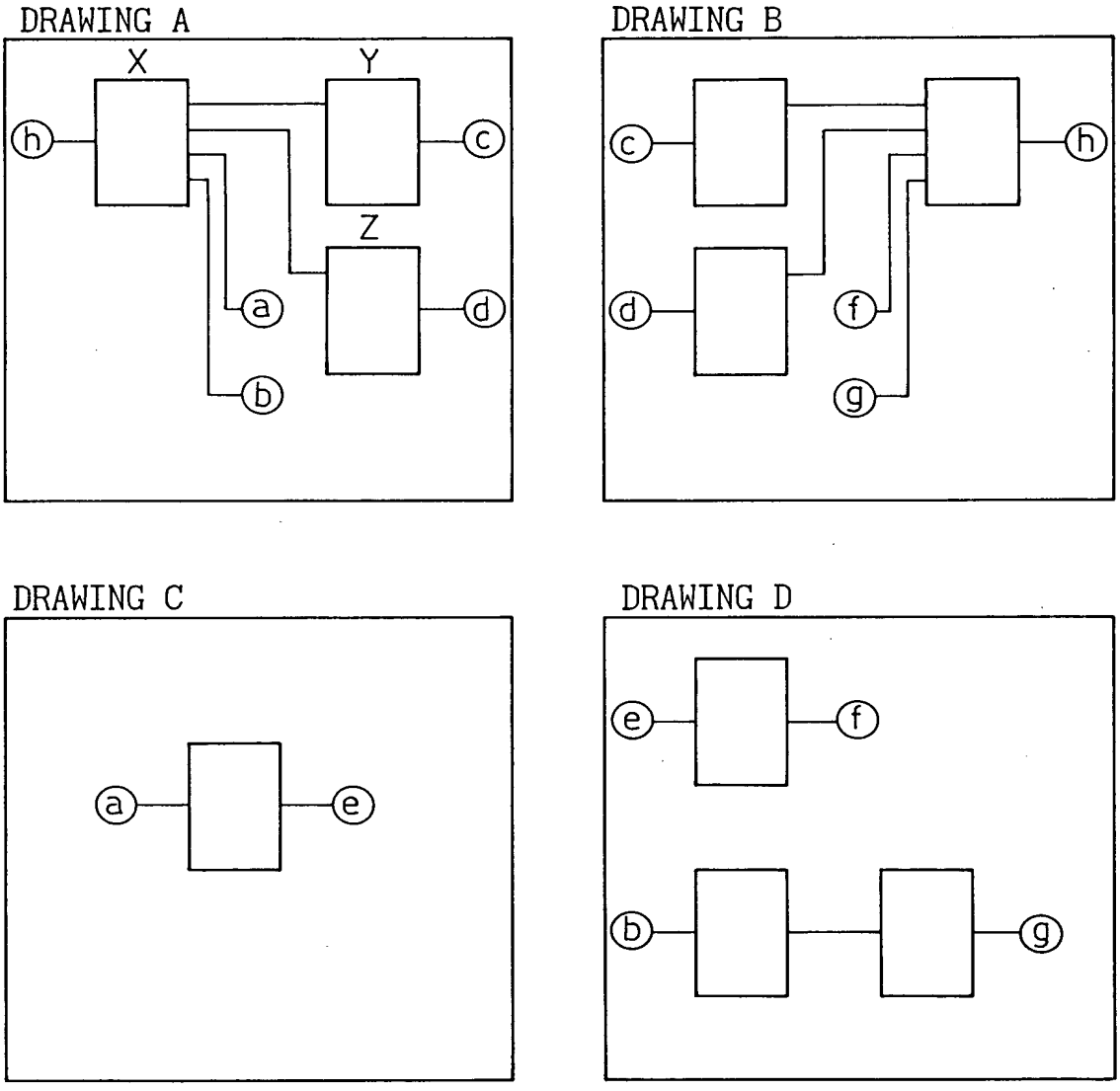
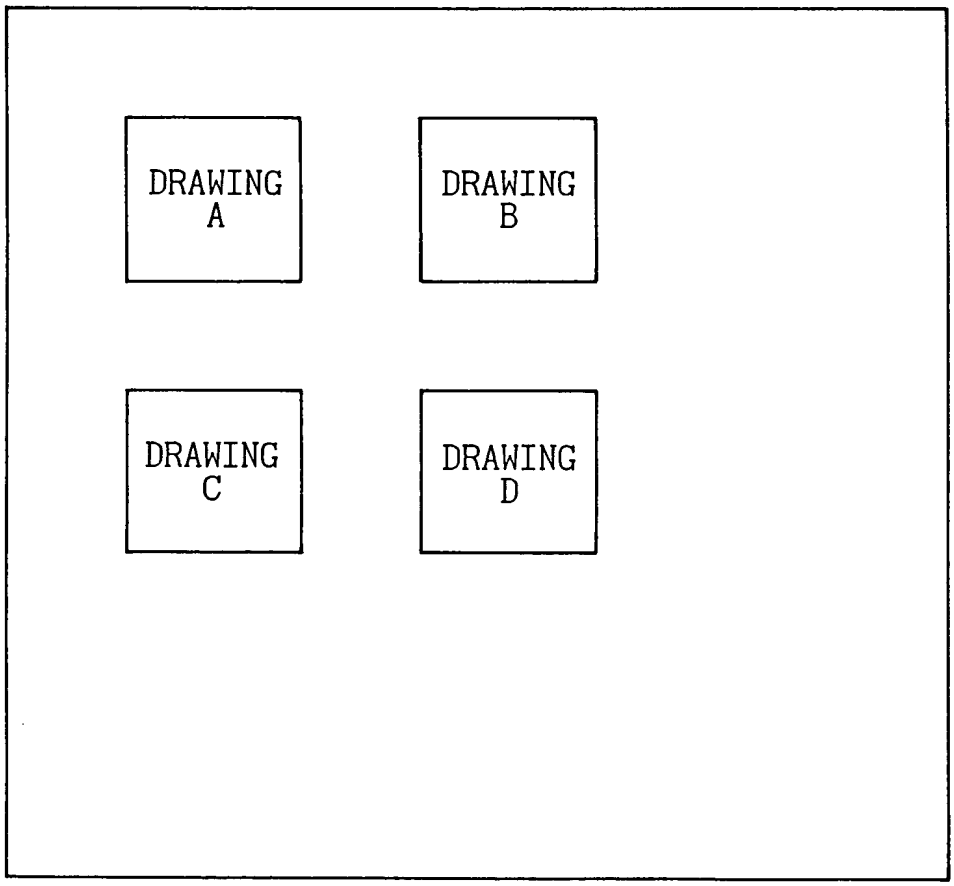
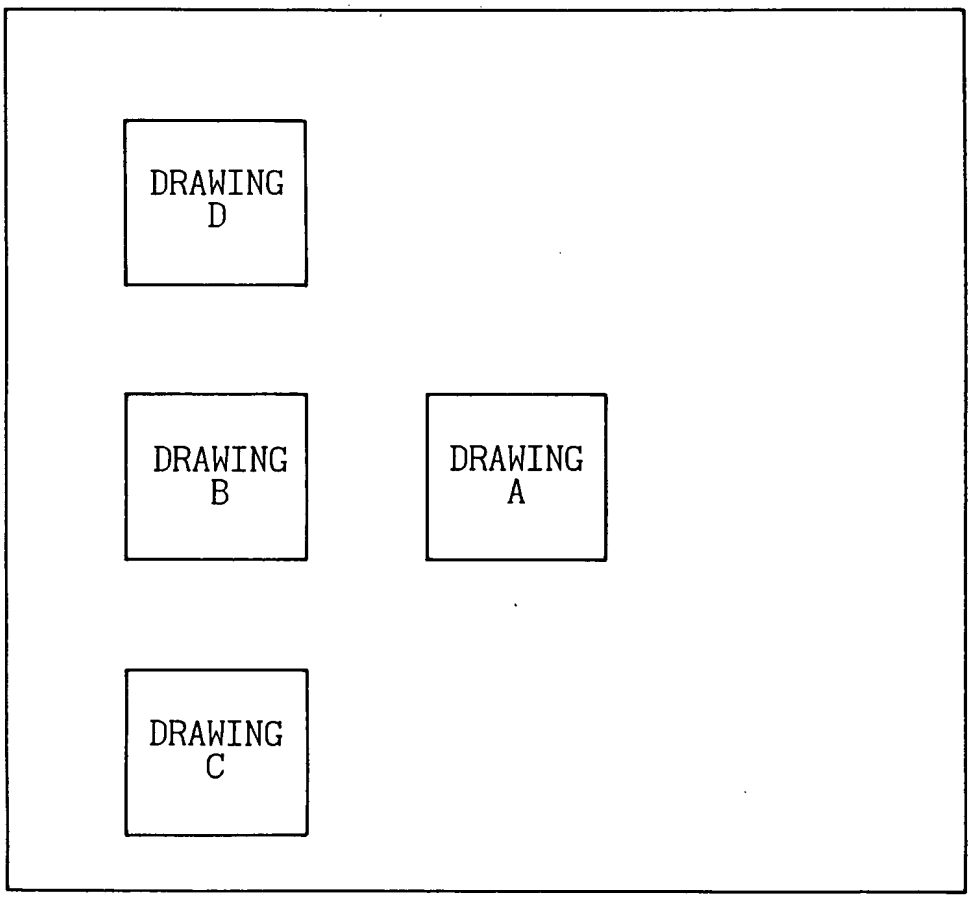

DRAWING A
X
Y
Z
h
c
a
d
b
DRAWING B
c
h
d
f
g
DRAWING C
a
e
DRAWING D
e
f
b
g

Fig.12



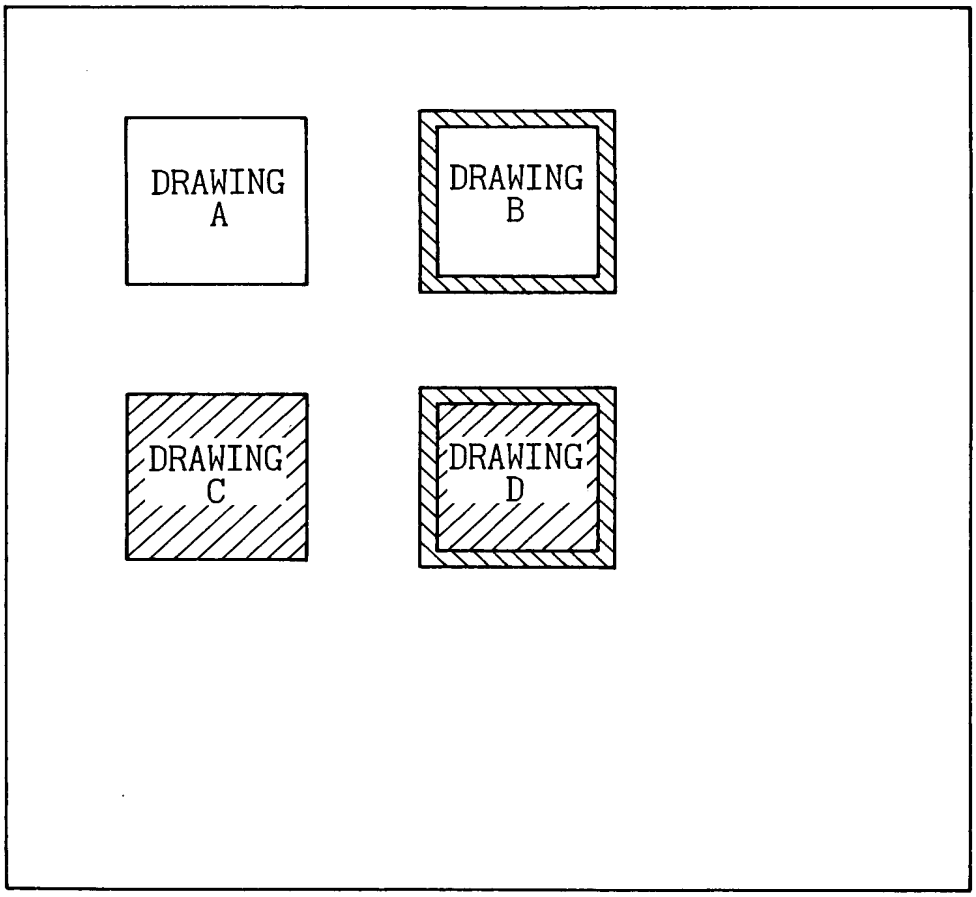
EP0574950A1

Fig.13



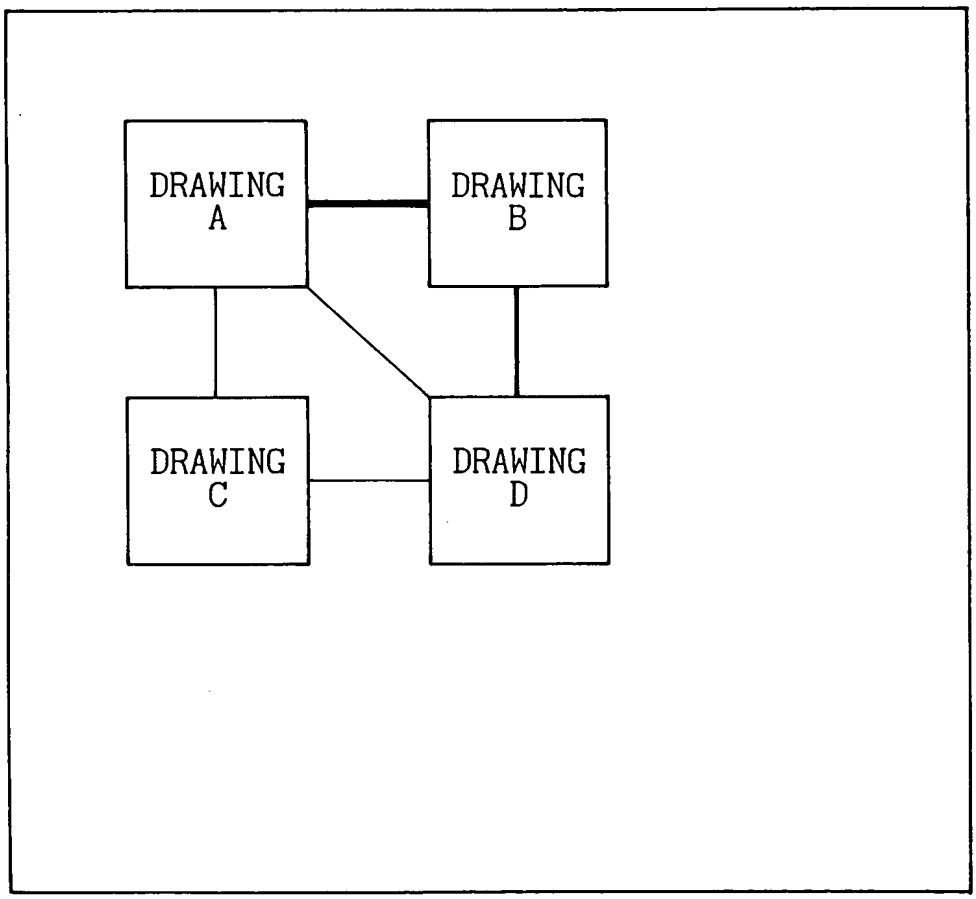
EP0571859A1

Fig.14



EP0571560B1

Fig.15



EP 0 954 854 B1

Fig.16

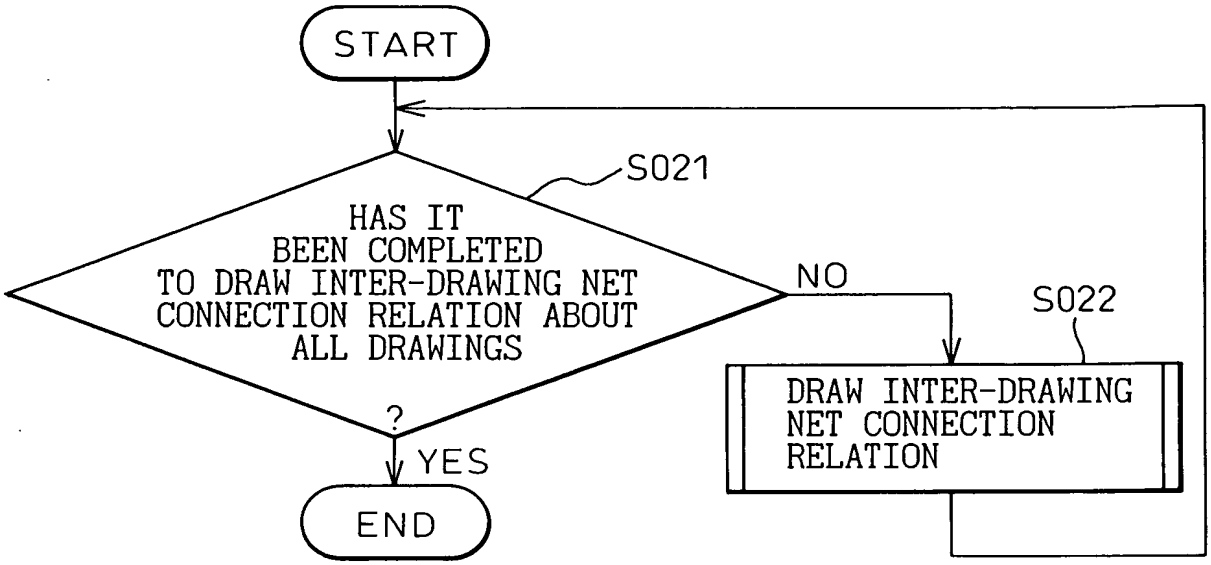

START
S021
HAS IT BEEN COMPLETED TO DRAW INTER-DRAWING NET CONNECTION RELATION ABOUT ALL DRAWINGS ?
NO
S022
DRAW INTER-DRAWING NET CONNECTION RELATION
YES
END

Fig.17

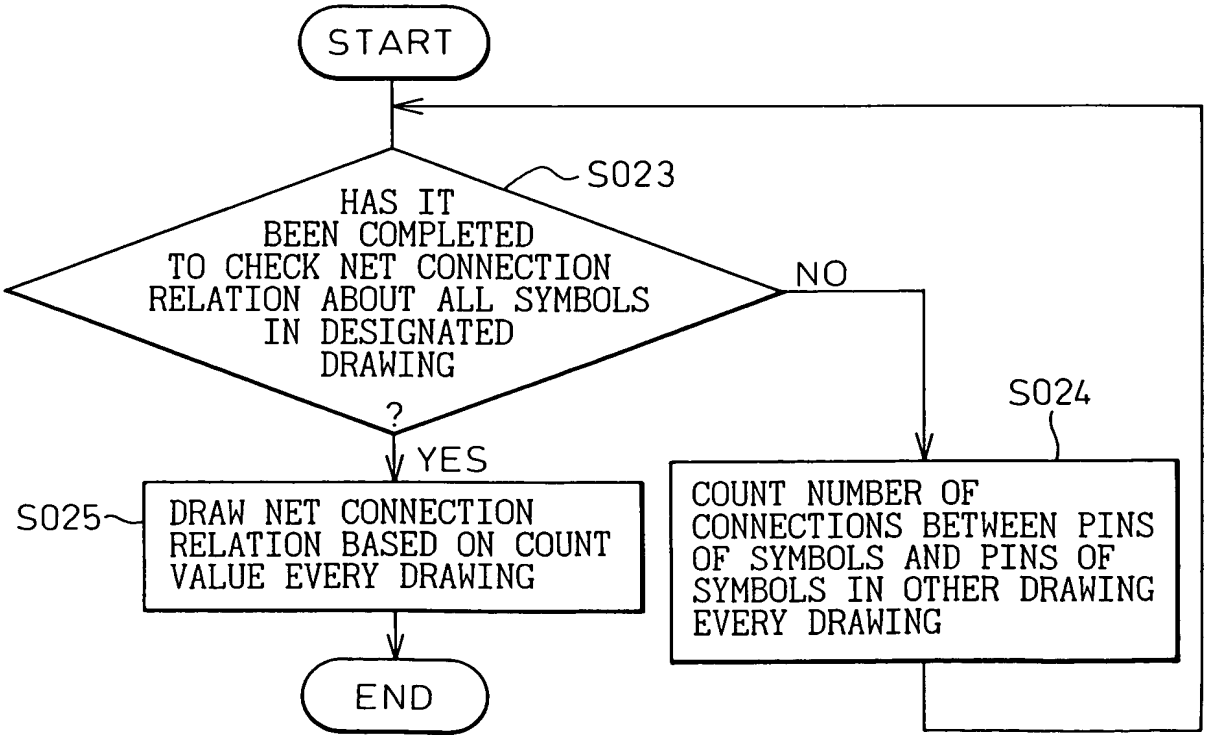

START
S023
HAS IT BEEN COMPLETED TO CHECK NET CONNECTION RELATION ABOUT ALL SYMBOLS IN DESIGNATED DRAWING ?
NO
S024
COUNT NUMBER OF CONNECTIONS BETWEEN PINS OF SYMBOLS AND PINS OF SYMBOLS IN OTHER DRAWING EVERY DRAWING
YES
S025
DRAW NET CONNECTION RELATION BASED ON COUNT VALUE EVERY DRAWING
END

Fig.18

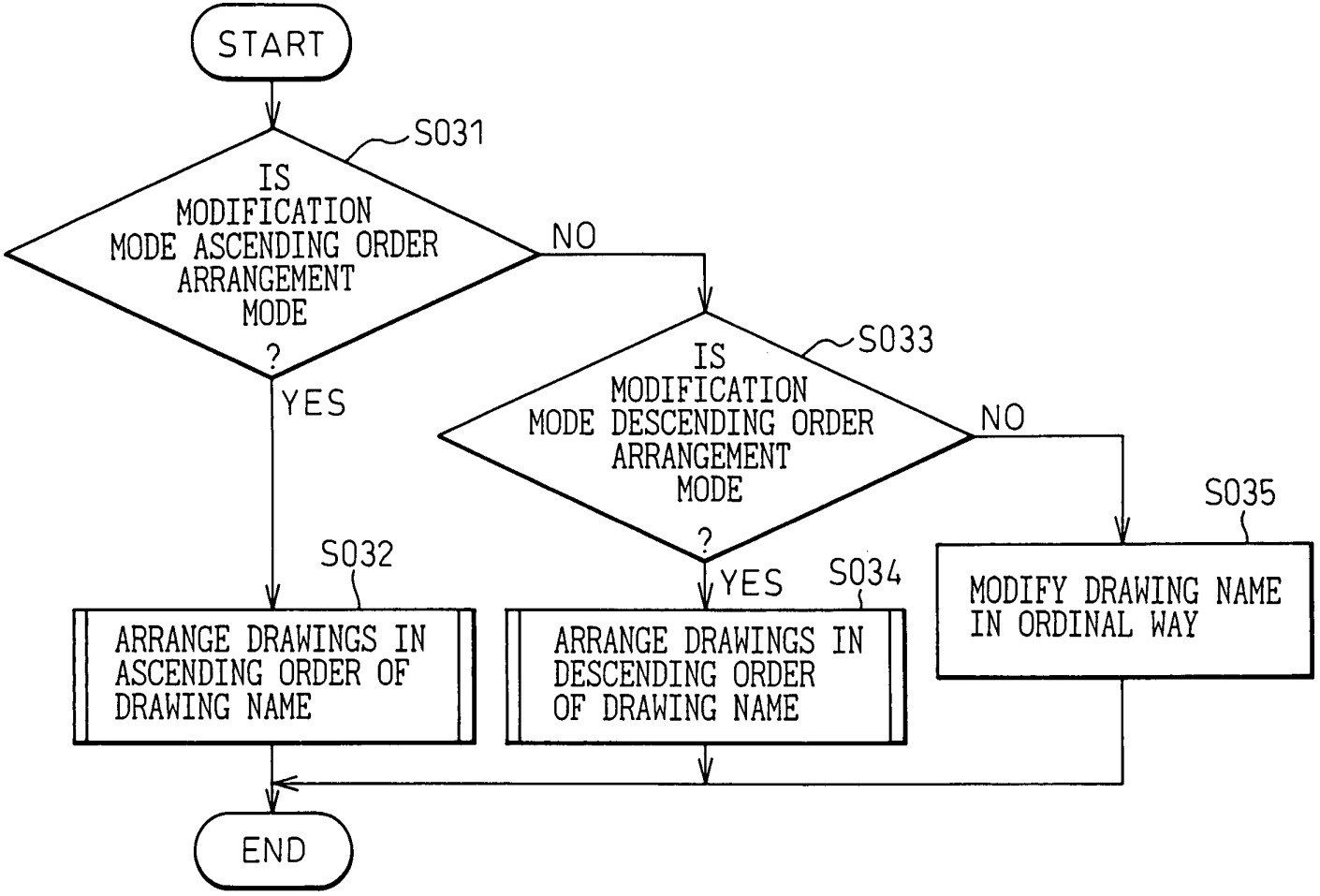

START
S031
IS MODIFICATION MODE ASCENDING ORDER ARRANGEMENT MODE ?
NO
YES
S033
IS MODIFICATION MODE DESCENDING ORDER ARRANGEMENT MODE ?
NO
YES
S035
MODIFY DRAWING NAME IN ORDINAL WAY
S032
ARRANGE DRAWINGS IN ASCENDING ORDER OF DRAWING NAME
S034
ARRANGE DRAWINGS IN DESCENDING ORDER OF DRAWING NAME
END

Fig.19

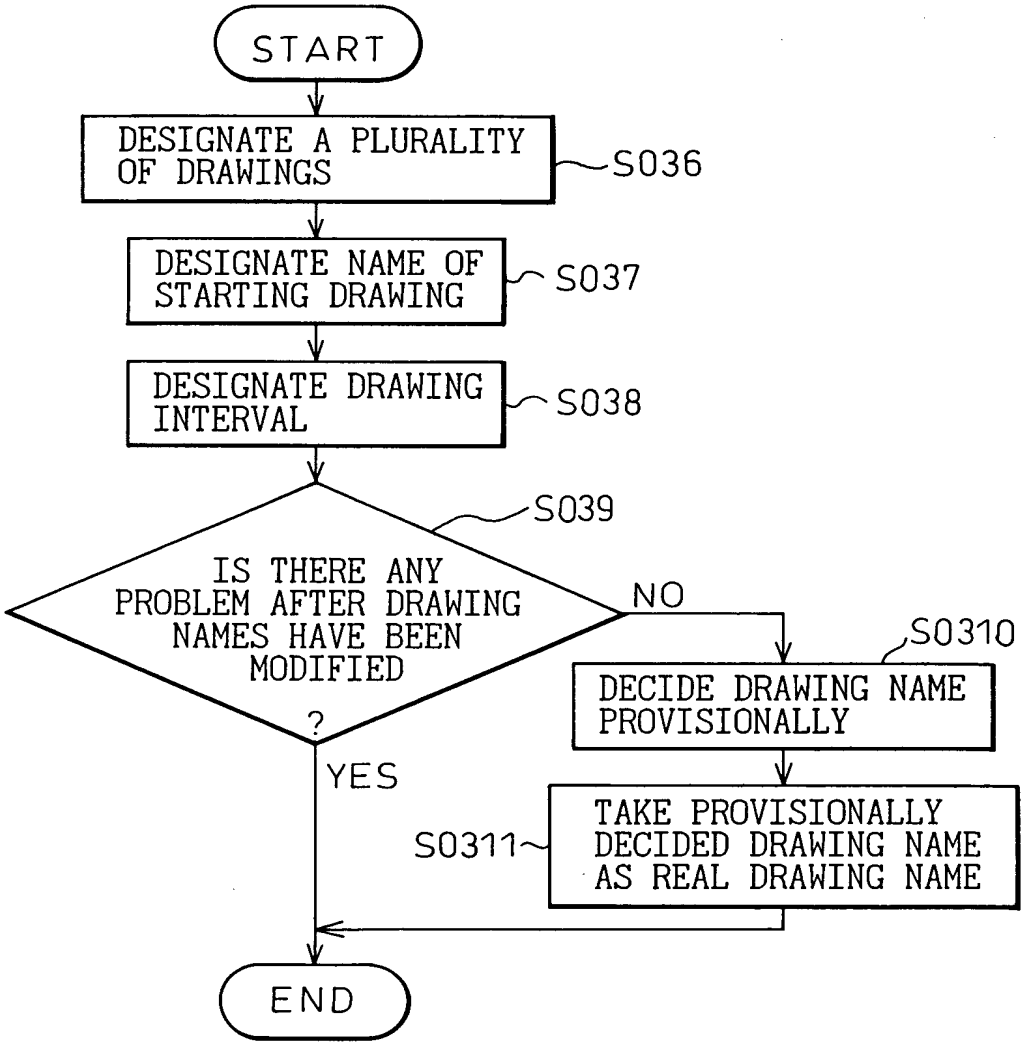

START
DESIGNATE A PLURALITY OF DRAWINGS
S036
DESIGNATE NAME OF STARTING DRAWING
S037
DESIGNATE DRAWING INTERVAL
S038
S039
IS THERE ANY PROBLEM AFTER DRAWING NAMES HAVE BEEN MODIFIED ?
NO
YES
S0310
DECIDE DRAWING NAME PROVISIONALLY
S0311
TAKE PROVISIONALLY DECIDED DRAWING NAME AS REAL DRAWING NAME
END

Fig.20

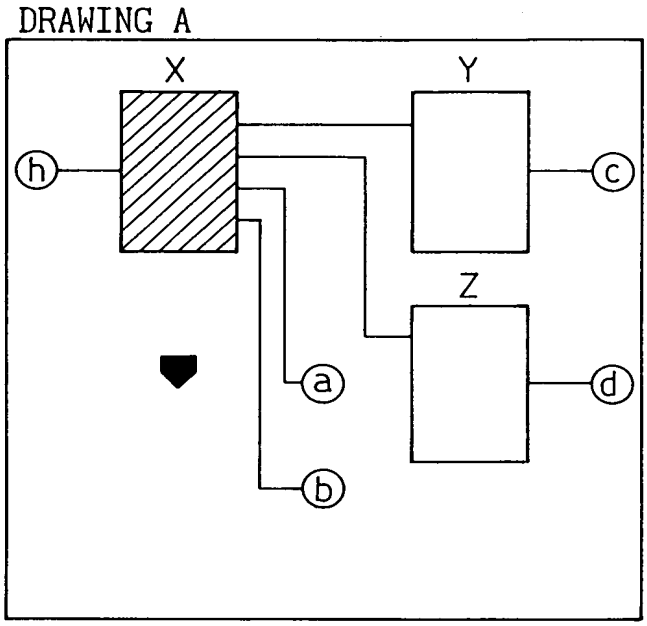
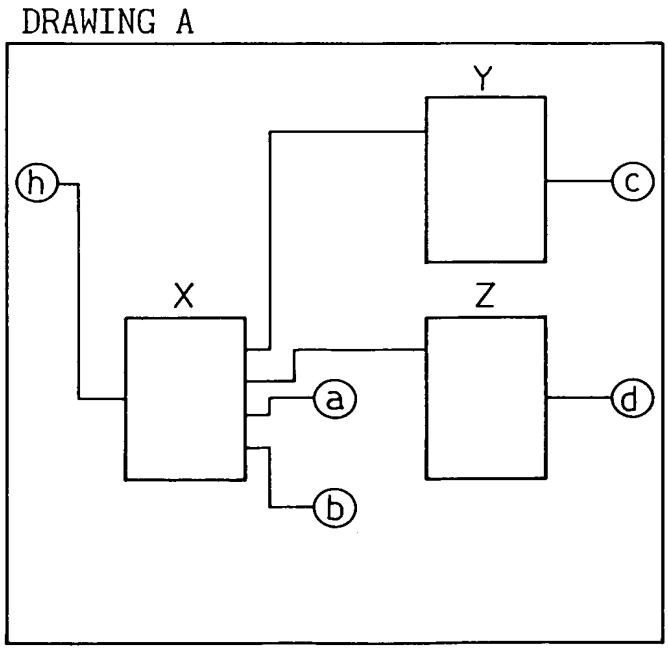


Fig.21



EP 0 951 175 A2

Fig.22

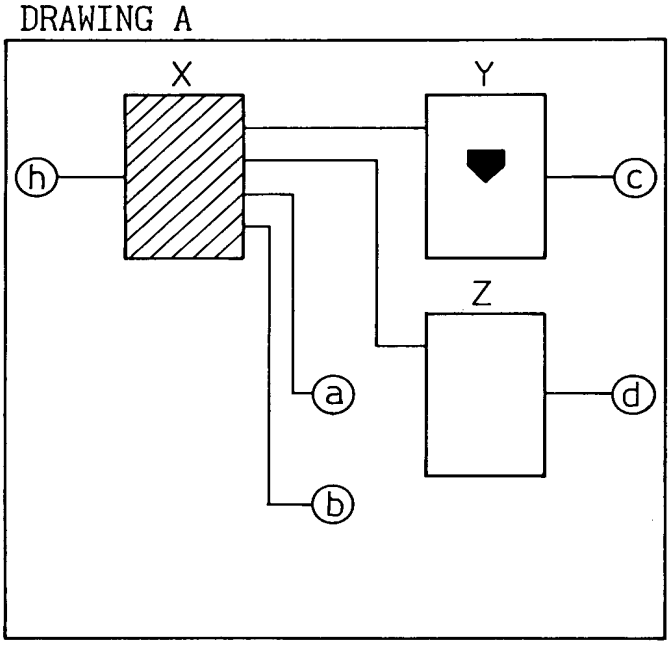
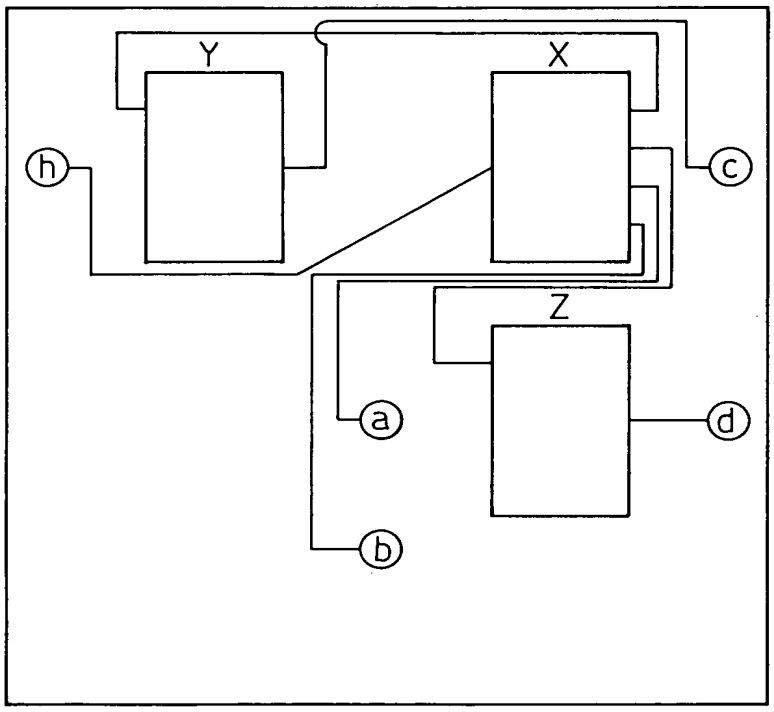


Fig.23

DRAWING A



EP0621694A2

Fig.24

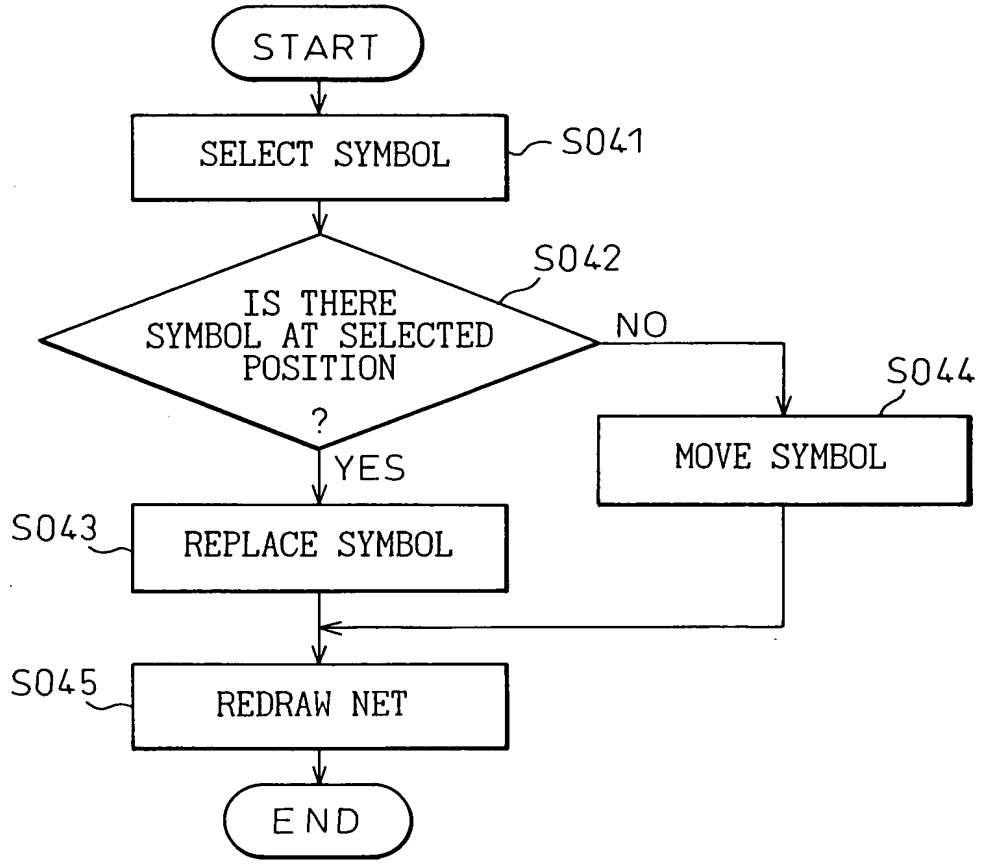
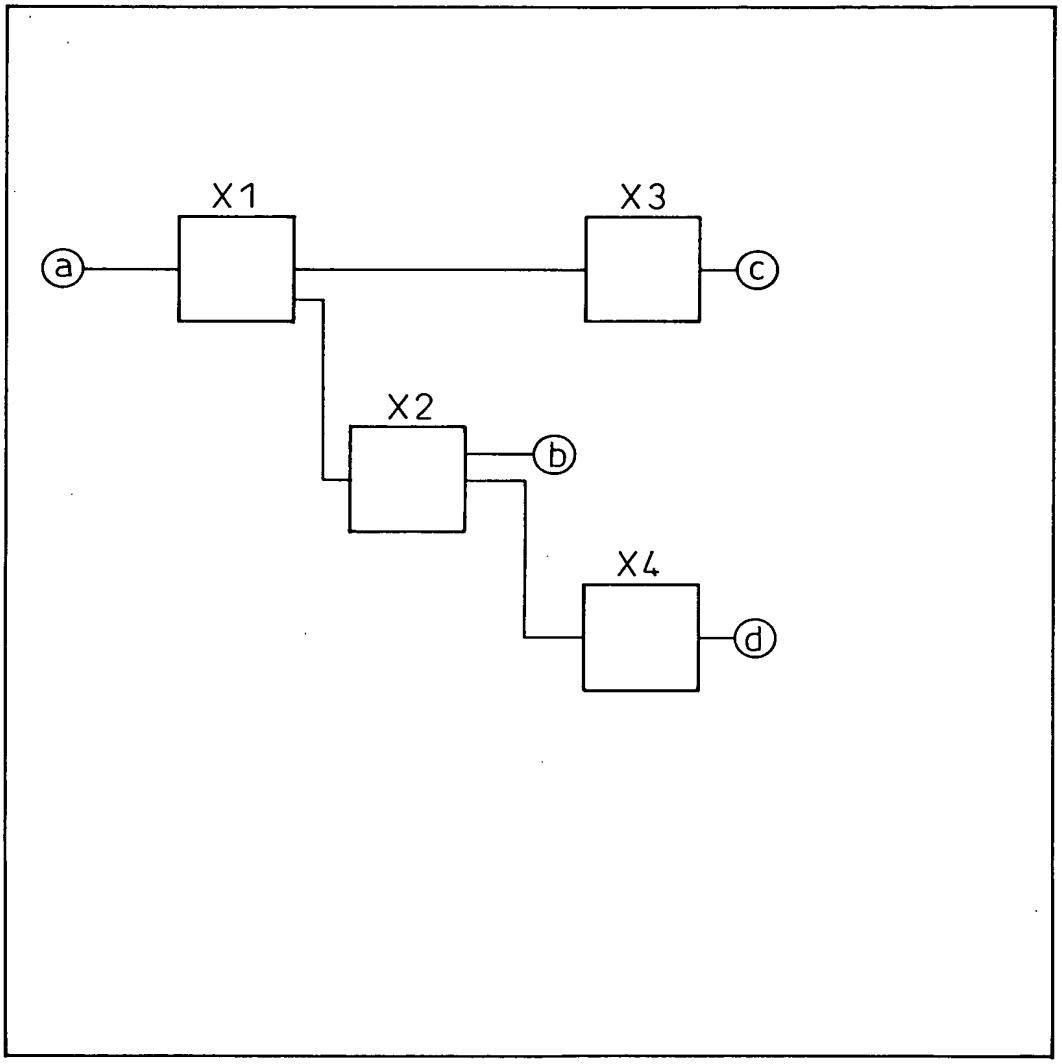

START
SELECT SYMBOL
S041
S042
IS THERE SYMBOL AT SELECTED POSITION ?
NO
S044
MOVE SYMBOL
YES
S043
REPLACE SYMBOL
S045
REDRAW NET
END

Fig.25

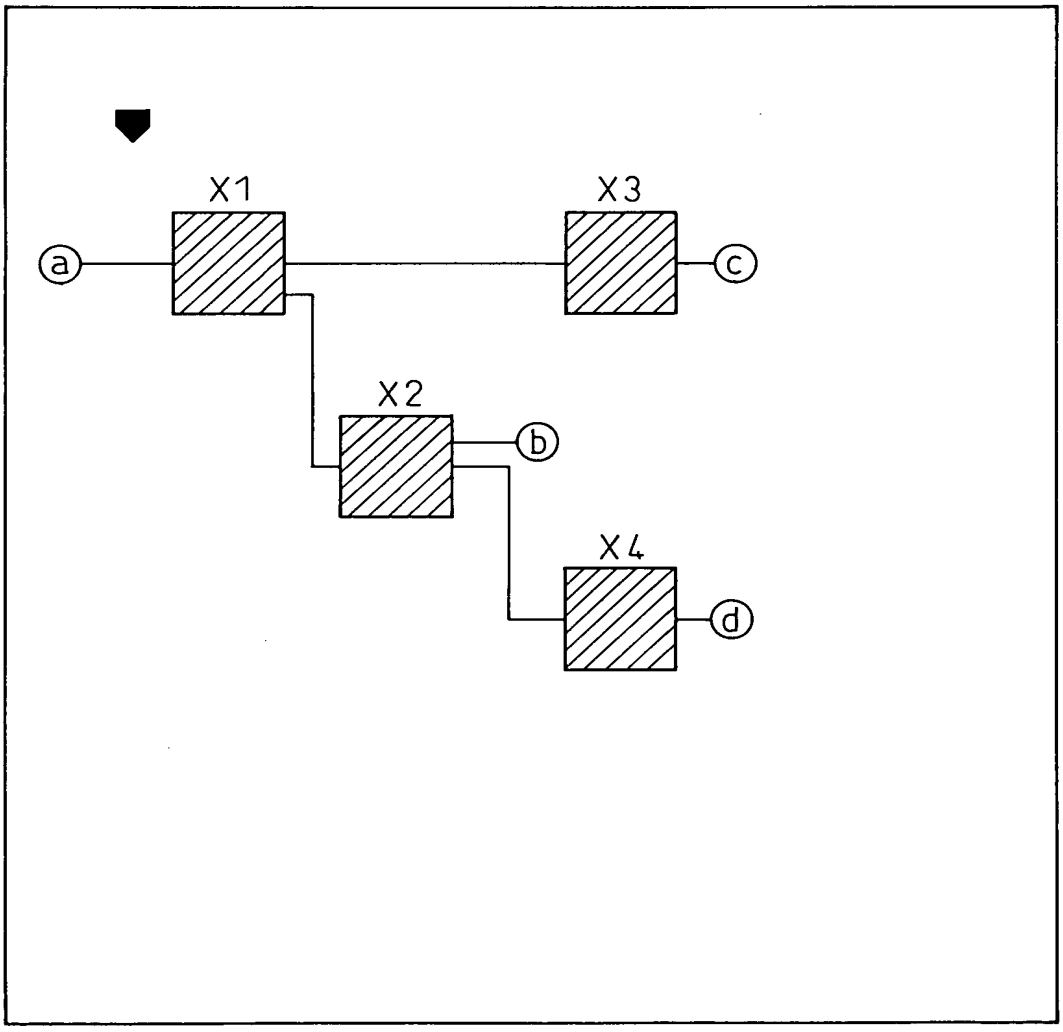
DRAWING E



EP0527155B1

Fig.26

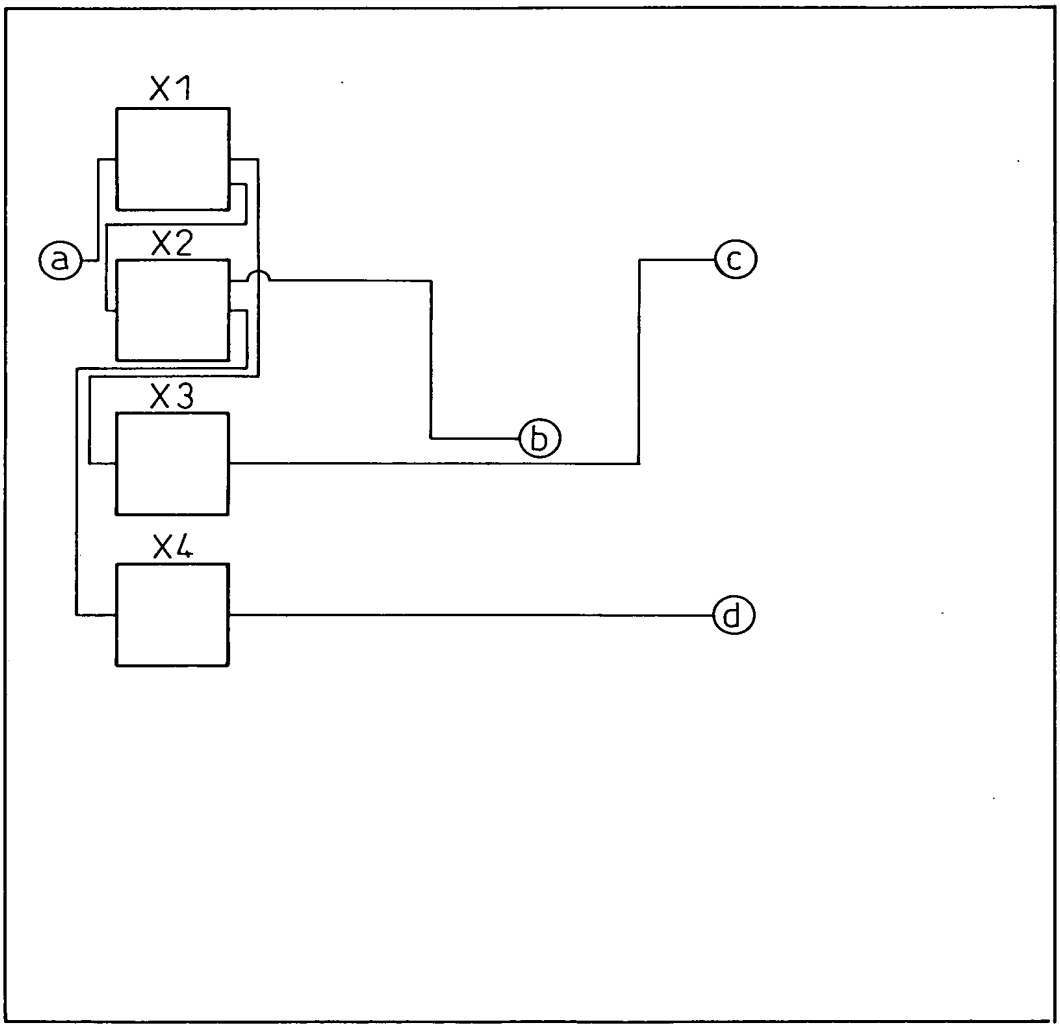
DRAWING E



EP05254150

Fig.27

DRAWING E



T0656 11-SEP-96 15:56:50

Fig.28

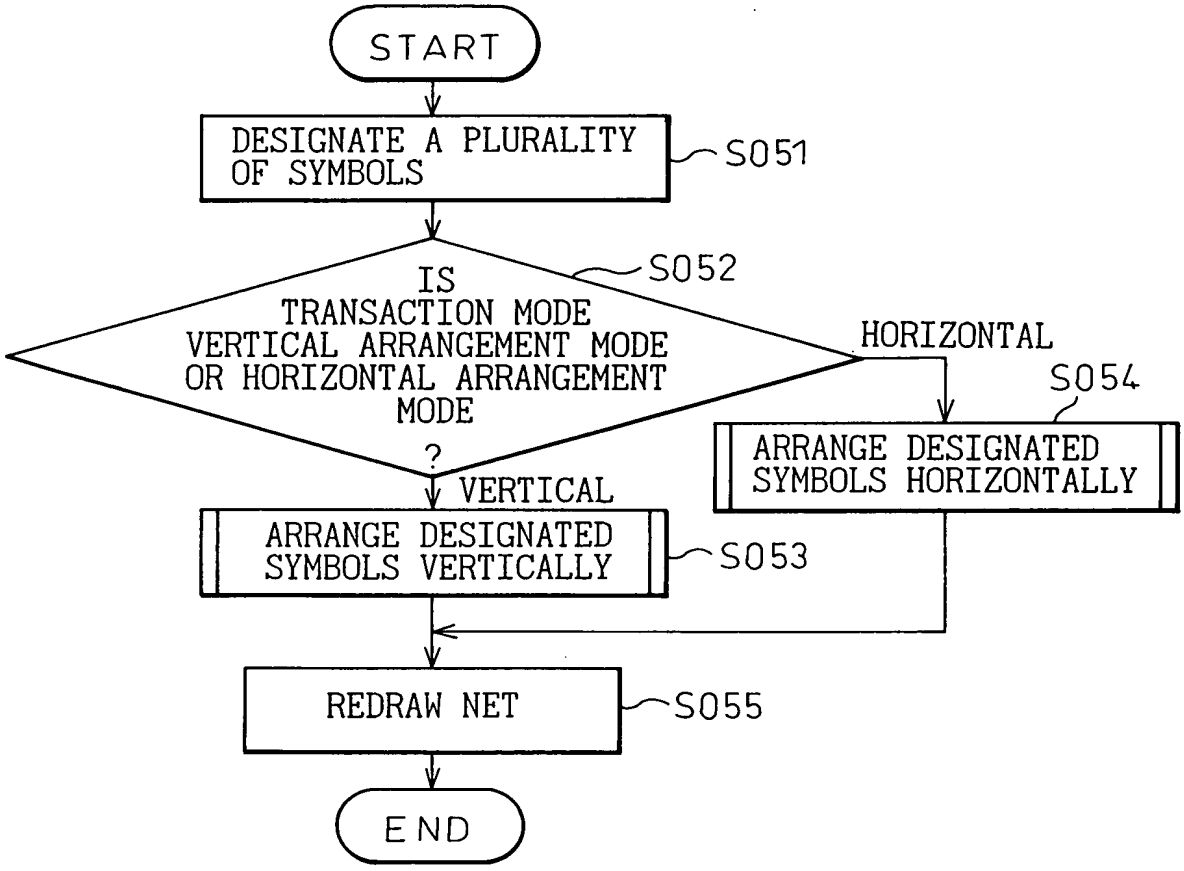

START
DESIGNATE A PLURALITY OF SYMBOLS
S051
IS TRANSACTION MODE VERTICAL ARRANGEMENT MODE OR HORIZONTAL ARRANGEMENT MODE ?
S052
HORIZONTAL
S054
ARRANGE DESIGNATED SYMBOLS HORIZONTALLY
VERTICAL
ARRANGE DESIGNATED SYMBOLS VERTICALLY
S053
REDRAW NET
S055
END

Fig.29

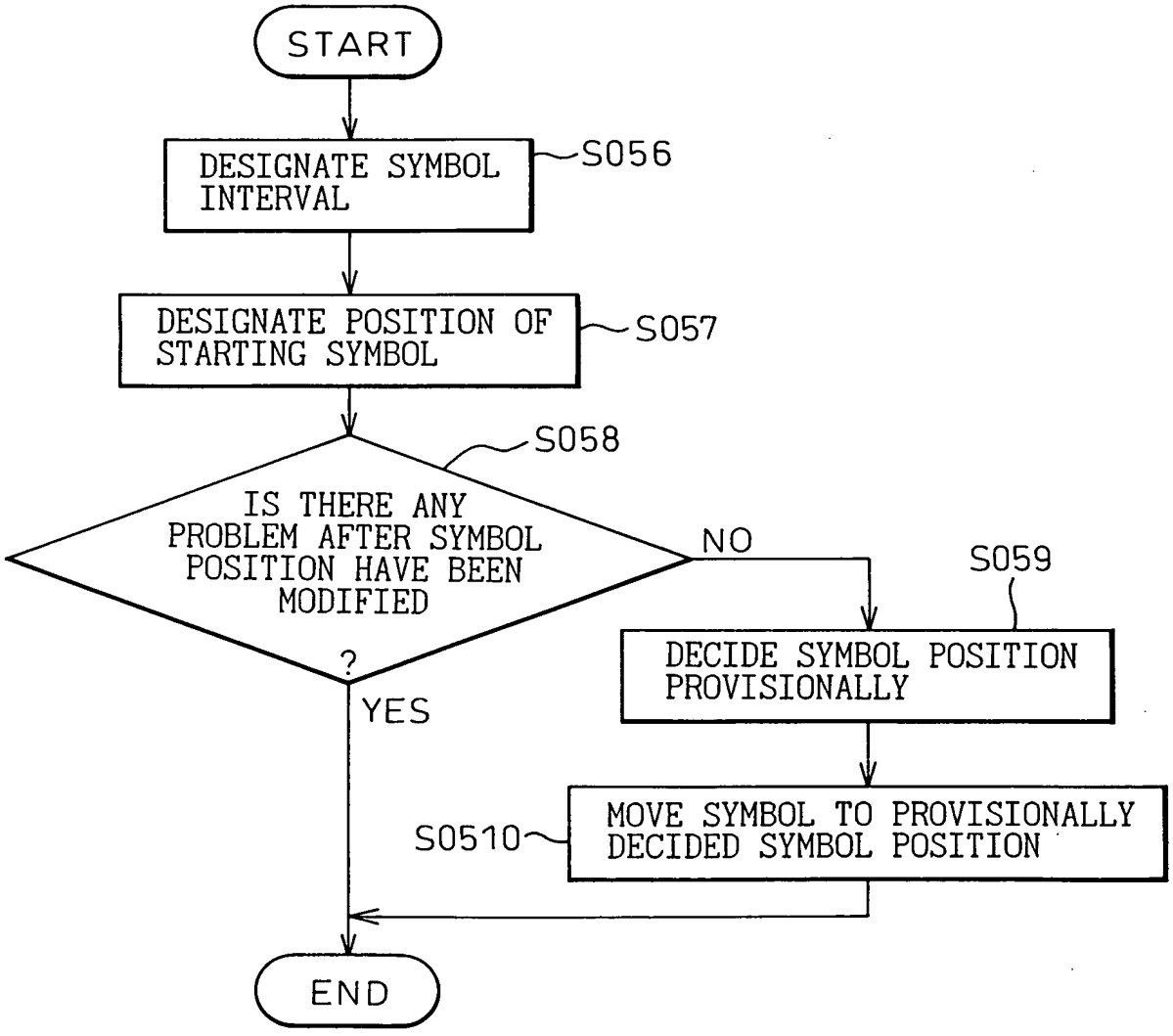

START
DESIGNATE SYMBOL INTERVAL
S056
DESIGNATE POSITION OF STARTING SYMBOL
S057
S058
IS THERE ANY PROBLEM AFTER SYMBOL POSITION HAVE BEEN MODIFIED ?
NO
S059
DECIDE SYMBOL POSITION PROVISIONALLY
YES
S0510
MOVE SYMBOL TO PROVISIONALLY DECIDED SYMBOL POSITION
END

Fig.30

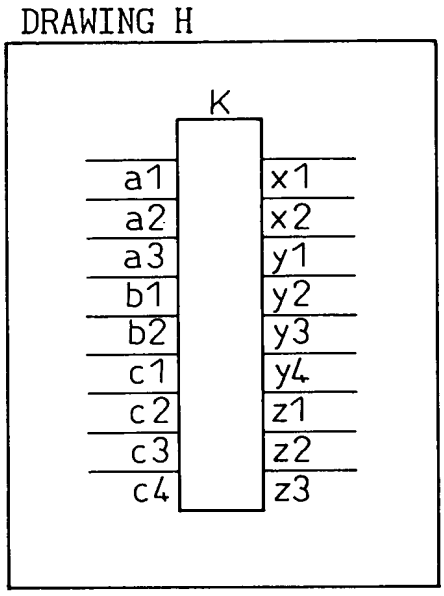

DRAWING H
K
a1
a2
a3
b1
b2
c1
c2
c3
c4
x1
x2
y1
y2
y3
y4
z1
z2
z3

Fig.31

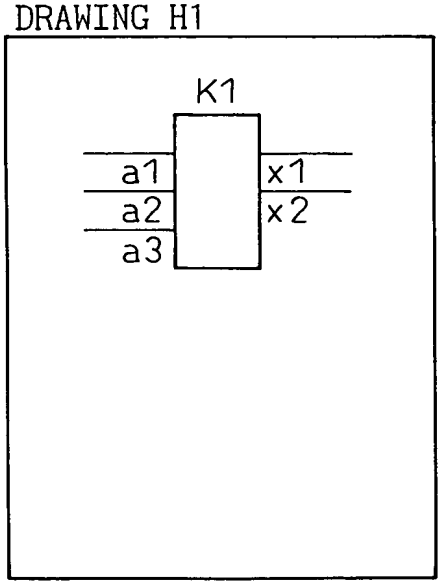

DRAWING H1
K1
a1
a2
a3
x1
x2

Fig.32

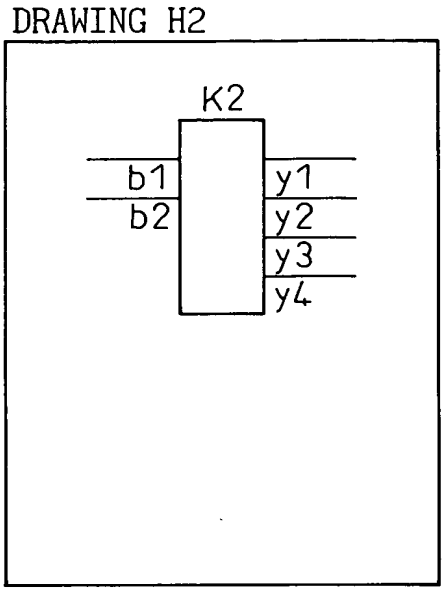


Fig.33

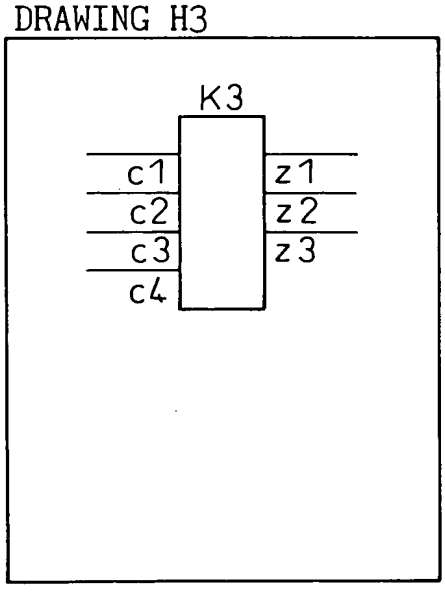
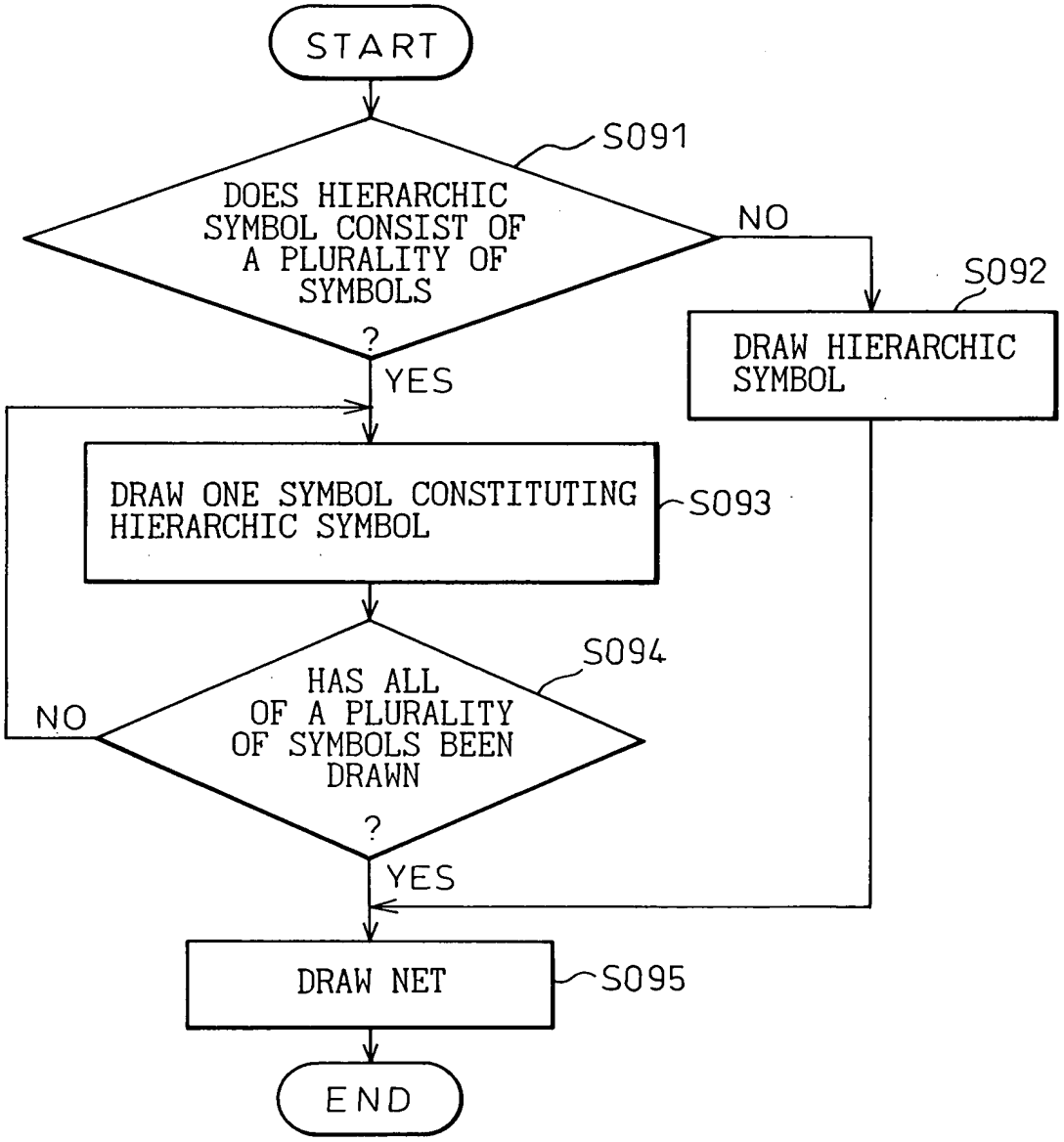


Fig.34


START
S091
DOES HIERARCHIC SYMBOL CONSIST OF A PLURALITY OF SYMBOLS ?
NO
YES
S092
DRAW HIERARCHIC SYMBOL
DRAW ONE SYMBOL CONSTITUTING HIERARCHIC SYMBOL
S093
S094
HAS ALL OF A PLURALITY OF SYMBOLS BEEN DRAWN ?
NO
YES
DRAW NET
S095
END